



NATIVE CONSERVANCY

Community Kelp Seed Nursery (CKSN): Progress Report

June-Sept 2020



Insulation & Buildout Preparation

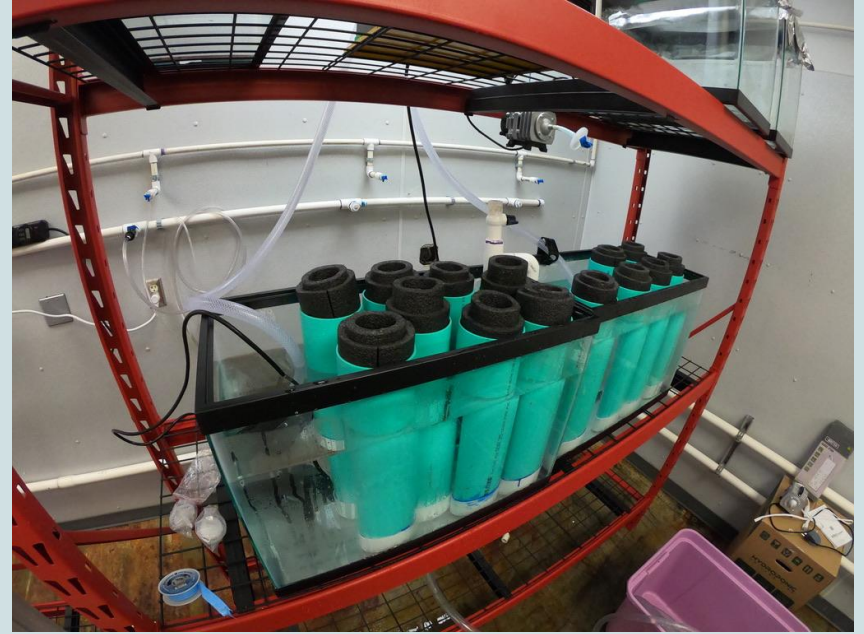


CKSN Staging

1.



Seedline Inoculation in APSH



Seed Grow Out in APSH

Due to a delay in the CKSN unit construction, the seed grow-out was initially started in the Alutiq Pride Shellfish Hatchery.



Seed Transfer to CKSN

Once power was safely wired and temperature controls installed, grow out tanks were carefully transferred to the standalone CKSN unit (this occurred in early October, which we will detail in the next report).



CKSN Features



Top Left: Tank systems including chiller and pump, siphon, aeration stone, lights and custom lids. Top Right: Wash and dry station (in progress). Bottom Left: Seawater filtration system (particle and UV). Bottom Right: Unit humidifier and HVAC



Gametophyte Growth

Left: Very first microscopic images of male gametophytes on the *Alaria Marginata* (Ribbon Kelp)

Right: Microscopic gametophytes on *Saccharina Latissima* (Sugar Kelp), week 3

